



**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Pentti HAIKONEN

Art Unit: 2819

Application No.: 10/803,094

Examiner: Cho, James Hyonchol

Filed: March 18, 2004

Attorney Dkt. No.: 60091.00296

For: CIRCUIT ELEMENTS AND PARALLEL COMPUTATIONAL NETWORKS  
WITH LOGICALLY ENTANGLED TERMINALS

**RESPONSE UNDER 37 CFR § 1.111**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 8, 2006

Sir:

In response to the Office Action dated March 8, 2006, please amend the above-identified application as set forth below.

**Amendments to the claims are submitted beginning on page 2.**

**Remarks are submitted beginning on page 7.**